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Organic Electronics II

More Materials and Applications

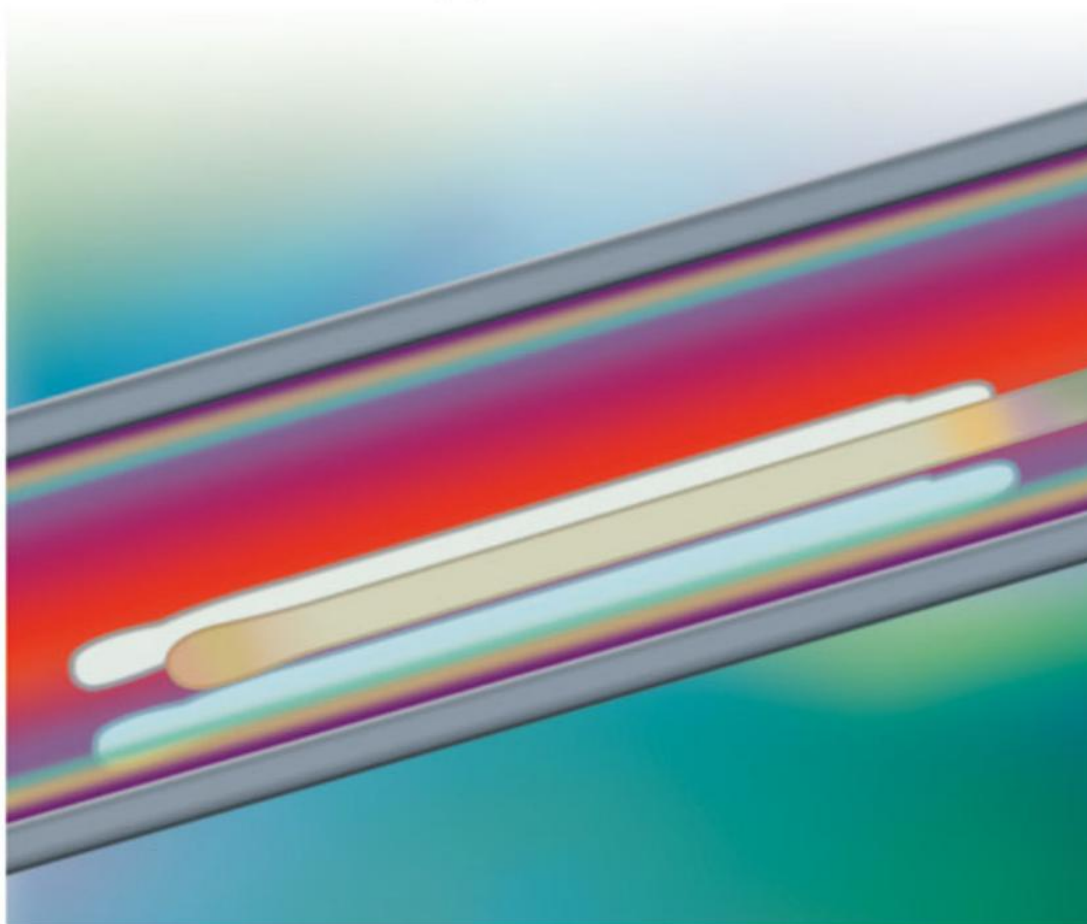


Table of Contents

[Related Titles](#)

[Title Page](#)

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[Preface](#)

[List of Contributors](#)

[Part I: Materials](#)

[Chapter 1: Organic Semiconductor Materials for Transistors](#)

[1.1 General Considerations](#)

[1.2 Materials Properties of Organic
Semiconductors](#)

[1.3 Small Molecule Semiconductors](#)

[1.4 Polymer Semiconductors](#)

[1.5 Semiconductor Blends](#)

[1.6 Device Physics and Architecture](#)

[1.7 Summary](#)

[References](#)

[Chapter 2: Characterization of Order and Orientation in Semiconducting Polymers](#)

2.1 Introduction

2.2 X-Ray Diffraction

2.3 Near-Edge X-Ray Absorption Fine Structure (NEXAFS) Spectroscopy

References

Chapter 3: Charge Transport Theories in Organic Semiconductors

3.1 Introduction

3.2 Well-Ordered Systems: Organic Single Crystals

3.3 Disordered Materials

3.4 Conclusions

Acknowledgments

References

Chapter 4: Silylethyne-Substituted Acenes and Heteroacenes

4.1 Introduction

4.2 Silylethyne-Substituted Pentacenes

4.3 Crystal Packing

4.4 Heteroacenes

4.5 Silylethynyl Heteroacene-Based Polymers

4.6 Silylethynyl Heteroacene-Based Photovoltaics

4.7 Conclusion

References

Chapter 5: Conjugated Semiconductors for Organic n-Channel Transistors and Complementary Circuits

5.1 Introduction

5.2 Basics of Field-Effect Transistors and Complementary Circuits

5.3 Material Design and Needs for n-Channel OTFTs

5.4 n-Channel Semiconductors for OTFTs

5.5 Conclusions and Outlook

References

Chapter 6: Low-Voltage Electrolyte-Gated OTFTs and Their Applications

6.1 Overview

6.2 Introduction to Electrolyte-Gated Organic Transistors

6.3 Applications of Electrolyte-Gated Organic Transistors

6.4 Conclusions and Outlook

References

Part II: Manufacturing

Chapter 7: Printing Techniques for Thin-Film Electronics

7.1 The Motivation for Printing of Thin-Film Electronic Devices

7.2 Requirements for Printing Techniques for Electronics Fabrication

7.3 A Survey of Printing Techniques for Printed Electronics

7.4 Pattern Formation During Printing

7.5 Printed Device Considerations

References

Chapter 8: Picoliter and Subfemtoliter Ink-jet Technologies for Organic Transistors

8.1 Introduction

8.2 Silver Nanoparticle Ink

8.3 Ink-jet Technologies with Pico- and Subfemtoliter Accuracies

8.4 Manufacturing Processes and Electrical Characteristics of Organic Transistors

8.5 Discussion and Future Prospects of Large-Area Printed Electronics

Acknowledgments

References

Chapter 9: Ink-Jet Printing of Downscaled Organic Electronic Devices

9.1 Introduction

9.2 Ink-Jet Printing: Technologies, Tools, and Materials

9.3 High-Resolution Printing of Highly Conductive Electrodes

9.4 Printing of Downscaled Organic Thin Film Transistors

9.5 Conclusions and Outlook

Acknowledgments

References

Chapter 10: Interplay between Processing, Structure, and Electronic Properties in Soluble Small-Molecule Organic Semiconductors

10.1 Introduction

10.2 Transport Limits in Crystalline Semiconductors

10.3 Structure-Processing-Properties Relationship in Small-Molecule Organic Thin-Film Transistors

10.4 Advanced Film Processing

10.5 Summary

References

Part III: Applications

Chapter 11: Light-Emitting Organic Transistors

11.1 Introduction

11.2 Unipolar Light-Emitting FETs

11.3 Ambipolar Light-Emitting FETs

11.4 Other Field-Effect-Based Light-Emitting Devices

11.5 Conclusions
Acknowledgments
References

Chapter 12: Design Methodologies for Organic RFID Tags and Sensor Readout on Foil

12.1 Introduction
12.2 Organic RFID Tags
12.3 Transistor-Level Design with Organic Transistors
12.4 Conclusions
Acknowledgments
References

Index

Related Titles

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Cover

The Cover was provided by Huai-Yuan Tseng working in the group of Vivek Subramanian at the University of California, Berkeley.

It shows an optical micrograph of a selfaligned organic transistor manufactured entirely by inkjet printing.

Back Cover

The structure on the back cover was kindly provided by John Anthony.

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Preface

Organic Electronics is not only a fascinating field of research and development, but also one that continues to move ahead at a swift pace. And thus six years after the first installment of this book series (*Organic Electronics - Materials, Manufacturing, and Applications*, Wiley-VCH, 2006) it was time for an update. The 12 chapters of the sequel provide a detailed look at some important new developments and advancements in the field of organic thin-film transistors, including novel semiconductors for p-channel and n-channel organic transistors, advanced thin-film characterization techniques, new insights into charge transport in organic semiconductors, research into low-voltage electrolyte-gated transistors, solution-processing techniques and high-resolution printing approaches for the manufacture of organic transistors, the science and technology of organic light-emitting transistors, and advanced design strategies for large-scale organic integrated circuits.

Once again, I am deeply indebted to the many professionals who have contributed to this book. First and foremost I would like to extend my sincere gratitude to the 42 authors who have taken time out of their busy schedules to share their wisdom and knowledge. Second I want to thank Martin Preuss, Bernadette Gmeiner, and Bente Flier at Wiley-VCH for the encouragement and organizational oversight to make this book happen. And finally my thanks go out to the readers of both the first and second book of this series for their interest.

Stuttgart, 2011

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